CLAIMS LISTING

1. (previously presented) An apparatus for evaluating the triboelectrical properties of at least two samples, comprising:

   - a grounded means for holding a material in sheet form comprising a support provided on at least one surface thereof with at least two samples each in at least one predefined region thereof;

   - a charging means for tribocharging said at least two samples; and

   - a means for measuring an electrical property of said at least two samples.

2. (original) An apparatus according to claim 1, wherein said at least two samples comprise at least one test sample and at least one internal reference sample.

3. (previously presented) An apparatus according to claim 1, wherein said grounded means for holding said support provided on at least one surface thereof with said at least two samples is a rotatable drum.

4. (previously presented) An apparatus according to claim 1, comprising a means for performing a calculation on said measured electrical property.

5. (previously presented) An apparatus according to claim 4, wherein said means for performing a calculation on said measured electrical property is a computer.

6. (previously presented) An apparatus according to claim 1, wherein said apparatus comprises:

- a grounded rotatable drum for holding the support in sheet form;

- a charging roller, consisting of or covered with a triboelectric reference material;

- a measuring probe connected to a voltmeter for measuring electrostatic potentials;

- a computer for handling outgoing and incoming data.

7. (previously presented) An apparatus according to claim 5, wherein a software of a computer controls the rotation speed of said rotatable drum and the linear translation speed of said measuring means for measuring said electrical property across said support in sheet form.

8. (previously presented) An apparatus according to claim 1, comprising a means for a post-treatment on said at least two samples.

9. (original)   An apparatus according to claim 8, wherein said means for a post-treatment is chosen from a printing means, a drying means, a moisturising means, a thermal treatment means, a UV-curing means, or combinations thereof.

10. (previously presented)   A method for evaluating the triboelectrical properties of an array of samples, said method comprising the following steps:

(a) providing on a support in sheet form an array of samples each in a predefined region;

(b) tribocharging said array of samples on a support in a sheet form present on a grounded means; and

(c) measuring sequentially an electrical property of a sample in said array of tribocharged samples.

11. (original)   A method according to claim 10, said method comprising a step (d) of subjecting said samples on said support in sheet form to a post-treatment step chosen from a printing step, a drying step, a moisturising step, a

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cooling step, a thermal treatment, a UV-curing step, or combinations thereof.

12. (previously presented)   A method according to claim 10, wherein statistical calculations are performed on the measured electrical property of said tribocharged samples in said array, wherein each different test sample of said tribocharged samples is present in at least two different columns and rows.

13. (previously presented)   An apparatus according to claim 2, wherein said grounded means for holding said support provided on at least one surface thereof with said at least two samples is a rotatable drum.

14. (previously presented)   An apparatus according to claim 2, comprising a means for performing a calculation on said measured electrical property.

15. (previously presented)   An apparatus according to claim 14, wherein said means for performing a calculation on said measured electrical property is a computer.

16. (previously presented)   An apparatus according to claim 3, comprising a means for performing a calculation on said measured electrical property.

17. (previously presented) An apparatus according to claim 16, wherein said means for performing a calculation on said measured electrical property is a computer.

18. (previously presented) An apparatus according to claim 2, wherein said apparatus comprises:

- a grounded rotatable drum for holding the support in sheet form;

- a charging roller, consisting of or covered with a triboelectric reference material;

- a measuring probe connected to a voltmeter for measuring electrostatic potentials;

- a computer for handling outgoing and incoming data.

19. (previously presented) An apparatus according to claim 3, wherein said apparatus comprises:

- a grounded rotatable drum for holding the support in sheet form;

- a charging roller, consisting of or covered with a triboelectric reference material;

- a measuring probe connected to a voltmeter for measuring electrostatic potentials;

- a computer for handling outgoing and incoming data.

20. (previously presented)   An apparatus according to claim

4, wherein said apparatus comprises:

- a grounded rotatable drum for holding the support in

sheet form;

- a charging roller, consisting of or covered with a

triboelectric reference material;

- a measuring probe connected to a voltmeter for measuring

electrostatic potentials;

- a computer for handling outgoing and incoming data.

21. (previously presented)   An apparatus according to claim

5, wherein said apparatus comprises:

- a grounded rotatable drum for holding the support in

sheet form;

- a charging roller, consisting of or covered with a

triboelectric reference material;

- a measuring probe connected to a voltmeter for measuring

electrostatic potentials;

- a computer for handling outgoing and incoming data.

22. (previously presented)   An apparatus according to claim

2, comprising a means for a post-treatment on said at

least two samples.

23. (previously presented)   An apparatus according to claim
    3, comprising a means for a post-treatment on said at
    least two samples.

24. (previously presented)   An apparatus according to claim
    4, comprising a means for a post-treatment on said at
    least two samples.

25. (previously presented)   An apparatus according to claim
    5, comprising a means for a post-treatment on said at
    least two samples.

26. (previously presented)   An apparatus according to claim
    6, comprising a means for a post-treatment on said at
    least two samples.

27. (previously presented)   An apparatus according to claim
    7, comprising a means for a post-treatment on said at
    least two samples.

28. (previously presented)   A method according to claim 11,
    wherein statistical calculations are performed on the
    measured electrical property of said tribocharged samples
    in said array, wherein each different test sample of said
    tribocharged samples is present in at least two different
    columns and rows.

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29.(new)   A method for evaluating the triboelectrical properties
of an array of samples, said method comprising the
following steps:

(a) providing on a support in sheet form an array of
samples each in a predefined region;

(b) tribocharging said array of samples on a support in a
sheet form present on a grounded means such that a plateau
value of charge is reached for each sample; and

(c) measuring sequentially an electrical property of a
sample in said array of tribocharged samples.

30.(new)   A method according to claim 29, said method comprising
a step (d) of subjecting said samples on said support in
sheet form to a post-treatment step chosen from a printing
step, a drying step, a moisturising step, a cooling step, a
thermal treatment, a UV-curing step, or combinations
thereof.

31.(new)   A method according to claim 30, wherein statistical
calculations are performed on the measured electrical
property of said tribocharged samples in said array,
wherein each different test sample of said tribocharged

samples is present in at least two different columns and

rows.

32. (new)   A method according to claim 29, wherein statistical

calculations are performed on the measured electrical

property of said tribocharged samples in said array,

wherein each different test sample of said tribocharged

samples is present in at least two different columns and

rows.